

VRN A8 Ultrasonic Scaler Maintenance Guide

1. Daily maintenance

1.1 Please disinfect the handpiece, scaler tip, torque wrench, U file holder wrench and other accessories before each use to prevent cross infection. It is recommended to use sterilisation bags for sterilisation.

1.2 After the root canal treatment, it is necessary to change the medical water to distilled water, turn the water volume control knob to the maximum setting, pedal for more than 30 seconds to clean the handpiece, repeat once or twice.

1.3 After the treatment, unscrew the scaler tip with a wrench, wipe the handpiece and the scaler tip surface with an alcohol cotton ball to remove blood stains. Rinse the handpiece head and the plug-in part with clean water, and then rinse the entire handpiece. After rinsing, blow dry with a 3-way syringe and put it in a disinfection box for disinfection.

1.4 After the treatment, turn off the power, ensure that the main unit is in a power-off state, rinse the surface of the tail line with clean water, blow it dry with a 3-way syringe, and hang it back on the bracket.

2. Regular maintenance

2.1 It is recommended to disassemble and clean the handpiece LED light and lamp column every week. Unscrew the front end of the handpiece, clean the front shell, light guide column and LED light in sequence, blow them dry with a 3-way syringe. Then assemble them, put them in the disinfection box for disinfection.

2.2 If the wireless foot switch is not used for a long time, the battery must be removed.

2.3 Regularly clean the surface of the water bottle and the air inlet holes of the water bottle cap to prevent scale from blocking the water outlet holes and air inlet holes.

3. Disinfection Instructions

3.1 The handpiece, scaler tip and wrench are sterilized at 134°C high temperature and high pressure. Before sterilization, please use compressed air to blow away the liquid remaining in the handpiece; it is recommended to use sterilisation bags for sterilisation.

3.2 When sterilizing, be sure to remove the scaler tip from the handpiece and avoid mixing it with other instruments for sterilization.

In the process of sterilising the scaler tip and handpiece together, please pay attention to any external damage to the handpiece. It is strictly forbidden to apply any protective oil on the handpiece surface.

3.3 When using alcohol for disinfection, soak a piece of clean dry gauze in 75% ethanol disinfectant, then use the gauze to wipe the surface of the part to be disinfected twice for 3 minutes. Air dry naturally or wipe any residual disinfectant off with a clean, dry cloth.

4. Precautions for use

4.1 When a non-pressurised water source is used, the water surface of the non-pressurised

water source should be more than one metre above the patient's head.

4.2 The handpiece and the tail wire socket must be kept dry when connected.

4.3 Please do not pull out the handpiece when the foot pedal is pressed and the product vibrates.

4.4 When using the root canal treatment function, it is recommended to adjust the power from level 1 and slowly increase it to level 3.

4.5 When installing the root canal scaler tip, it must be tightened. Do not apply heavy pressure when flushing the root canal. Do not step on the foot pedal when the root canal file is not placed in the root canal.

4.6 Do not use disposable scaler tips or scaler tips that do not correspond to the standard threads. Incorrect threads, roughness and rusting of the scaler tip can damage the threads of the handpiece and cause irreparable damage to the ultrasonic scaler.

4.7 When the liquid in the water bottle is lower than the lower limit, please refill it in time to keep the liquid path unobstructed.

4.8 It is strictly forbidden to disinfect the handpiece in the following ways: boiling the handpiece in a solution; soaking the handpiece in disinfectant such as iodine, alcohol, glutaraldehyde, etc.; baking it in an oven or microwave at high temperature.

4.9 Please do not pull the tail wire during the use of the product, in order to avoid detaching the handpiece from the tail wire socket.

5. Protection and Storage

5.1 This product should be stored with care and away from vibration sources, and should be installed or stored in a cool, dry and ventilated place.

5.2 Do not store with toxic, corrosive, flammable or explosive items.

5.3 When this product is not used for a long time, it should be powered on and off once a month for 5 minutes each time.

5.4 This product should be stored in an environment with a temperature of $-20\text{ }^{\circ}\text{C} \sim 55\text{ }^{\circ}\text{C}$, a relative humidity less than 90%.

5.5 When this equipment is not in use, the power switch should be turned off and the power plug should be unplugged.